

Changes to AST 700 Specialties – 2001 Update
10-18-01

700 - Pending Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
700-09	AST-Aerospace Technology	Abolished.
700-90 thru 700-99	AST-Aerospace Technology	Abolished.

The Pending Subgroup, with NCC's of 700-xx, is abolished.

701 - Space Sciences Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
701-05	AST-Atmospheres and Ionospheres, GS-1330	Definition Rewritten.
701-09	AST-Space Sciences, GS-1330	No Change.
701-15	AST-Fields and Particles, GS-1330	Definition Rewritten.
701-20	AST-Stellar Studies, GS-1330	New NASA Title of AST-Stellar, Galactic, and Extragalactic Astrophysics, and Definition Rewritten.
701-25	AST-Planetary Studies, GS-1330	Definition Rewritten.
701-35	AST-Solar Studies, GS-1330	New NASA Title of AST-Solar and Solar Terrestrial Studies, and Definition Rewritten.
701-40		New Specialty, moved to this Subgroup from 709-33. Remains aligned with OPM GS-1301, and NASA title remains AST-Solar Systems Analysis. OPM title changed to Physical Scientist, and Definition Rewritten.
701-90 thru 701-99	(NASA Title/OPM Series and Title Center Option)	No Change.

702 - Earth Sciences Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
702-02	AST-Earth Sciences Remote Sensing, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
702-03	AST-Climate and Radiation Studies, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
702-04	AST-Atmospheric Chemistry and Dynamics, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
702-05	AST-Global Ecology Studies, GS-1301	Re-titled AST-Earth Biosphere Studies, OPM series changed to GS-1320, and OPM Title changed to Chemist.
702-06	AST-Atmospheric Measurements, GS-1301	OPM Title Changed to Physical Scientist and Definition Rewritten.
702-07	AST-Applications Data Management, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
702-08	AST-Science Missions, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
702-09	AST-Earth Sciences, GS-1301	OPM Title Changed to Physical Scientist
702-10	AST-Oceanographic Studies, GS-1360	Definition Rewritten.
702-11	AST-Meteorological Studies, GS-1340	Definition Rewritten.
702-12	AST-Geophysical Studies, GS-1313	NASA Title Changed to AST-Solid Earth Geophysical Studies, and Definition Rewritten.
702-90 thru 702-99	(NASA Title/OPM Series and Title Center Option)	No Change.

709 - Life Sciences and Systems Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
709-09	AST-Life Sciences and Systems, GS-1301	OPM Title Changed to Physical Scientist.
709-21	AST-Biochemical Studies, GS-1320	Abolished (Work to new 709-50).
709-22	AST-Physiological Studies, GS-413	New NASA and OPM Title, AST-Biological Studies, New OPM Series, GS-401 Biological Science, and Definition Rewritten.
709-23	AST-Neurobiological Studies, GS-401	Abolished (Work to 709-22)
709-31	AST-Chemical and Biological Evolution, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
709-33	AST-Solar System Analysis, GS-1301	Moved to Subgroup 701 as 701-40.
709-42	AST-Human Performance Studies, GS-180	Definition Rewritten.
709-43	AST-Medical Studies, GS-602	Definition Rewritten.
709-44	AST-Life Support Studies, GS-1301	OPM Title Changed to Physical Scientist, and Definition Rewritten.
709-45	AST-Manned Systems, GS-801	NASA Title changed to AST-Human/Machine Systems, and Definition Rewritten.
709-50		New Specialty Titled AST-Life Sciences Research, and Aligned with OPM Series GS-401, Biological Science.
709-60		New Specialty Titled AST-Biological and Physical Sciences Research, and Aligned with OPM Series GS-1301, Physical Scientist.
709-90 thru 709-99	(NASA Title/OPM Series and Title Center Option).	No Change.

710 - Fluid and Flight Mechanics Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
710-02	AST-Aerothermodynamics, GS-861	Definition Rewritten.
710-09	AST-Fluid and Flight Mechanics, GS-861	No Change.
710-10	AST-Aerospace Vehicle Design and Mission Analysis, GS-861	Definition Rewritten.
710-15	AST-Navigation, Guidance, and Control Systems, GS-861	Definition Rewritten.
710-30	AST-Fluid Mechanics, GS-861	Definition Rewritten.
710-45	AST-Flight Vehicle Acoustics, GS-861	Definition Rewritten.
710-55	AST-Heat Transfer, GS-861	Definition Rewritten.
710-60	AST-Stability, Control, and Performance, GS-861	Definition Rewritten.
710-65	AST-Flight Vehicle Atmospheric Environment, GS-861	Definition Rewritten.
710-68	AST-Basic Properties of Gases, GS-1310	New OPM Title of Physicist, Definition Rewritten.
710-70		New Specialty, AST-Flight Vehicle Space Environments, aligned with OPM series GS-861, Aerospace Engineering and OPM Title Aerospace Engineer.
710-90 thru 710-99	(NASA Title/OPM Series and Title Center Option)	No Change.

715 - Materials and Structures Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
715-02	AST-Structural Dynamics, GS-861	Definition Rewritten.
715-03	AST-Mechanics of Materials, GS-806	NASA Title Changed to AST-Mechanics of Materials and Structures, and Definition Rewritten.
715-09	AST-Materials and Structures, GS-861	No Change.
715-15	AST-Structural Materials, GS-806	Definition Rewritten.
715-17	AST-Aerospace Metallic Materials, GS-806	Definition Rewritten.
715-20	AST-Basic Properties of Materials, GS-1310	New OPM Title of Physicist, and Definition Rewritten.
715-25	AST-Aerospace Polymeric Materials, GS-893	Definition Rewritten.
715-35	AST-Aerospace Ceramic Materials, GS-892	Definition Rewritten.
715-40	AST-Friction and Lubrication, GS-806	NASA Title Changed to AST-Tribology, and Definition Rewritten.
715-50	AST-Structural Mechanics, GS-861	Definition Rewritten.
715-55	AST-Flight Structures, GS-861	Definition Rewritten.
715-60		New Specialty, Titled AST-Aerospace Materials, and Aligned with OPM Series GS-806, Materials Engineering and OPM Title Materials Engineer.
715-65		New Specialty, Titled AST-Aeroelasticity, and Aligned with OPM Series GS-861, Aerospace Engineering and OPM Title Aerospace Engineer.
715-90 thru 715-99	(NASA Title/OPM Series and Title Center Option)	No Change.

725 - Flight Systems Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
725-04	AST-Reliability and Quality Assurance, GS-861	Definition Rewritten.
725-05	AST-Reliability, GS-861	Definition Rewritten.
725-09	AST-Flight Systems, GS-861	No Change.
725-10	AST-Flight Systems Test, GS-861	Definition Rewritten.
725-11	AST-Flight Systems Safety, GS-861	Definition Rewritten.
725-12	AST-Aerospace Flight Systems, GS-861	Definition Rewritten.
725-13	AST-Flight Systems Design, GS-861	Definition Rewritten.
725-15	AST-Electronic Systems Failure Analysis, GS-855	No Change.
725-16	AST-Crew Station Systems, GS-861	Definition Rewritten.
725-17	AST-Environmental Control Systems, GS-861	Definition Rewritten.
725-20	AST-Experimental Manufacturing Techniques, GS-861	Definition Rewritten.
725-22	AST-Quality Assurance, GS-861	No Change.
725-30	AST-Electrical Systems, GS-850	Definition Rewritten.
725-31	AST-Automation and Robotics Systems, GS-854, Computer Engineer	OPM Series Changed to GS-861, Aerospace Engineering and OPM Title Aerospace Engineer, and Definition Rewritten.
725-40		New Specialty Titled AST-Safety and Mission Assurance, Aligned to OPM Series GS-861, Aerospace Engineering and OPM Title Aerospace Engineer.
725-41		New Specialty Titled, AST-Fluid Systems Test, and Aligned with OPM Series GS-861, Aerospace Engineering.
725-42		New Specialty Titled, AST-Flight Systems Engineering, and Aligned with OPM Series GS-861, Aerospace Engineering and OPM title Aerospace Engineer.
725-90 thru 725-99	(NASA Title/OPM Series and Titles Center Option)	No Change.

730 - Measurement and Instrumentation Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
730-05	AST-Sensors and Transducers, GS-855	Definition Rewritten.
730-09	AST-Measurement and Instrumentation, GS-855	No Change.
730-10	AST-Electronic Instrumentation Systems, GS-855	Definition Rewritten.
730-15	AST-Optical Physics, GS-1310	OPM Title changed to Physicist, and Definition Rewritten.
730-16	AST-Electro-optical Sensor Systems, GS-855	Definition Rewritten.
730-20	AST-Measurement Standards and Calibration, GS-1310.	Abolished (Work to 730-10).
730-25	AST-Control Systems, GS-801	Definition Rewritten.
730-26	AST-Guidance and Navigation Systems, GS-855	Abolished (Work to 710-15)
730-37	AST-Tracking and Telemetry Systems, GS-855	Definition Rewritten.
730-40	AST-Electromagnetics Systems, GS-855	Abolished (Work to 730-10)
730-43	AST-Tracking Systems, GS-855	Abolished (Work to 730-37).
730-45	AST-Telemetry Systems, GS-855	Abolished (Work to 730-37).
730-55	AST-Telecommunications, GS-855	Definition Rewritten.
730-57	AST-Electronics of Materials, GS-1310	OPM Title changed to Physicist, and Definition Rewritten.
730-65	AST-Microwave Physical Electronics, GS-1310	OPM Title changed to Physicist, and Definition Rewritten.
730-70		New Specialty Titled AST-Nanotechnology Systems, and Aligned with OPM Series GS-1301, Physical Science and Titled Physical Scientist.
730-71		New Specialty, Titled AST-Experimental Electrical Equipment and Techniques, and Aligned with OPM Series GS-850, Electrical Engineering with OPM Title of Electrical Engineer.
730-72		New Specialty Titled AST-Optical Engineering, and Aligned with OPM GS-855, Electronics Engineering and OPM title of Electronics Engineer.
730-90 thru 730-99	(NASA Title/OPM Series and Title Center Option)	No Change.

735 - Data Systems and Analysis Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
735-02	AST-Data Systems, GS-854	Definition Rewritten.
735-03	AST-Software Systems, GS-801	Definition Rewritten and OPM Series Changes to GS-854, Computer Engineering and OPM Title Computer Engineer.
735-04	AST-Modeling, GS-1520	Abolished (Work to 735-05).
735-05	AST-Data Analysis, GS-1520	OPM Series Changed to GS-1550, Computer Science, OPM Title to Computer Scientist, and Definition Rewritten.
735-06	AST-Data Systems Analysis, GS-801	OPM Series Changed to GS-854, Computer Engineering, OPM Title to Computer Engineer, and Definition Rewritten.
735-07	AST-Flight Data Systems, GS-854	Definition Rewritten.
735-08	AST-Ground Data Systems, GS-854	Definition Rewritten.
735-09	AST-Data Systems, GS-855	OPM Series Changed to GS-854, Computer Engineering, OPM Title to Computer Engineer, and NASA Title changed to AST-Data Systems and Analysis.
735-10	AST-Theoretical Simulation Techniques, GS-861	No Change.
735-11	AST-Flight Software Systems, GS-801	Abolished (Work to 735-03).
735-12	AST-Ground Software Systems, GS-801	Abolished (Work to 735-03).
735-13	AST-Hardware Systems, GS-855	NASA Title changed to AST-Data Hardware Systems, and Definition Rewritten.
735-14	AST-Flight Hardware Systems, GS-855	Abolished (Work to 735-13).
735-15	AST-Ground Hardware Systems, GS-855	Abolished (Work to 735-13).
735-16	AST-Computer Research and Development, GS-1550	Definition Rewritten.
735-17	AST-Avionic Systems, GS-855	Definition Rewritten.
735-20		New Specialty Titled AST-Aerospace Information Technology, Aligned with OPM Series GS-854 Computer Engineering, and OPM Title of Computer Engineer.
735-25		New AST-Engineering Optimization; OPM Series: GS-1520; Title: Mathematician
735-90 thru 735-99	(NASA Title/OPM Series and Title Center Option)	No Change.

740 – Facilities and Environmental Factors Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
740-02	AST-Experimental Facilities Development, GS-801	Definition Rewritten.
740-03	AST-Facility Systems Safety, GS-801	Definition Rewritten.
740-09	AST-Facilities, GS-801	NASA Title and OPM Title changed to AST-Facilities and Environmental Factors.
740-10	AST-Mechanical Experimental Equipment, GS-830	Definition Rewritten.
740-15	AST-Gas and Fluid Systems, GS-801	No Change.
740-20	AST-Electrical Experimental Equipment, GS-850	Definition Rewritten.
740-25	AST-Experimental Facilities Techniques, GS-801	No Change.
740-30		New Specialty with OPM and NASA Title AST-Aerospace Environmental Control Techniques, and aligned with OPM Series GS-801.
740-35		New Specialty with OPM and NASA Title AST-Aerospace Experimental Facilities and Test Technologies, and Aligned with OPM Series GS-801.
740-90 thru 740-99	(NASA Title/OPM Series and Title Center Option)	No Change.

745 - Operations Subgroup

<u>NCC</u>	<u>Current Classification</u>	<u>Update Action</u>
745-02	AST-Flight Training, GS-801	Definition Rewritten.
745-03	AST-Flight Systems Operations, GS-801	Definition Rewritten.
745-04	AST-Mission Support Requirements and Development, GS-801	No Change.
745-05	AST-Mission Operations Integration, GS-801	Definition Rewritten.
745-06	AST-Management Astronaut or GS-1301	New NASA specialty Management Astronaut, Interdisciplinary GS-801
745-07	AST-Mission Specialist Astronaut, GS-1301	Definition Rewritten and changed to interdisciplinary position with series 1301 (Physical Scientist) and 801 (Mission Specialist Astronaut)
745-08	AST-Pilot Astronaut, GS-861	Definition Rewritten.
745-09	AST-Operations, GS-801	No Change.
745-10	AST-Research Piloting, GS-861	NASA Title changed to AST-Research Pilot, and Definition Rewritten.
745-11	AST-Launch and Flight Operations, GS-801	Definition Rewritten.
745-12	AST-Aircraft Mission Operations, GS-801	Definition Rewritten.
745-14		New Specialty NASA Title Educator Astronaut/OPM Title interdisciplinary
745-20		New Specialty NASA and OPM Title AST-Payload Processing Operations, and Aligned with OPM Series GS-801.
745-90 thru 745-99	(NASA Title/OPM Series and Title Center Option)	No Change.

770 - Management Subgroup

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NCC Current Classification**Update Action**

770-01	AST-Executive Management, GS-801	New NCC Title AST-Senior Executive, and Interdisciplinary for OPM Series and Title Assignment. Only includes Pay System SES (ES) and Congressional Appointees (EX).
770-02	AST-Executive Management, GS-1301	Abolished (Work to 770-01)
770-09	AST-Management,GS-801	Abolished.
770-10	AST-Project Management, GS-801	New NASA and OPM Title of AST-Engineering Project Management and Definition Rewritten.
770-11	AST-Project Management, GS-1301	New NASA Title of AST-Science Project Management, New OPM Title of Physical Scientist, and Definition Rewritten.
770-29		New Specialty, AST-Physical Science Technical Management, Aligned with OPM Series GS-1301, Physical Science, and OPM Title Physical Scientist.
770-30	AST-Technical Management, GS-801	Definition Rewritten
770-31	AST-Technical Management Systems, GS-801	Abolished. (Work to 770-32).
770-32	AST-Technical Resources Management, GS-801	Definition Rewritten.
770-33	AST-Physical Sciences Technical Resources Management, GS-1301	New OPM Title of Physical Scientist and Definition Rewritten.
770-34	AST-Technical Engineering Operations Management, GS-801.	Definition Rewritten.
770-36	AST-Life Sciences Technical Resources Management, GS-401	Abolished (Work to 770-33)
770-40	AST-Technology Utilization, GS-801	New NASA and OPM Title of AST-Engineering Technology Utilization and Commercialization, and Definition Rewritten.
770-41	AST-Technology Utilization, GS-1301	New NASA Title of AST-Science Technology Utilization and Commercialization, New OPM Title Physical Scientist, and Definition Rewritten.
770-55	AST-Tracking Station Management, GS-801	Abolished.
770-56	AST-Launch Site Support Management, GS-801	Definition Rewritten.

770 - Management Subgroup (Continued)

NCC	Current Classification	Update Action
770-60	AST-Program Management, GS-801	New NASA and OPM Title of AST-Engineering Program Management, and Definition Rewritten.
770-61	AST-Program Management, GS-1301	New NASA Title of AST-Science Program Management, New OPM Title of Physical Scientist, and Definition Rewritten.
770-62	AST-Space Sciences Program Management, GS-1301	Abolished.
770-63	AST-Earth Sciences Program Management, GS-1301	Abolished.
770-64	AST-Life Sciences Program Management, GS-401	Abolished.
770-65	AST-Fluid and Flight Mechanics Program Management, GS-861	Abolished.
779-66	AST-Materials and Structures Program Management, GS-861	Abolished.
770-67	AST-Propulsion Program Management, GS-861	Abolished.
770-68	AST-Flight Systems Program Management, GS-861	Abolished.
770-69	AST-Measurement and Instrumentation Systems Program Management, GS-855	Abolished.
770-70	AST-Data Systems Program Management, GS-855	Abolished.
770-71	AST-Facilities Program Management, GS-801	Abolished.
770-72	AST-Telecommunications Program Management, GS-855	Abolished.
770-73	AST-Advanced Technology Program Management, GS-801	Abolished.
770-74	AST-Advanced Technology Program Management, GS-1301	Abolished.
770-77		New Specialty, AST-Logistics Engineering Management, Aligned with OPM Series GS-801.
770-90 thru 770-99	(NASA Title/OPM Series and Title Center Option)	No Change.
795-00	Expert	No Change.
796-00	Consultant	No Change.
799-99	Graduate Co-op	No Change.